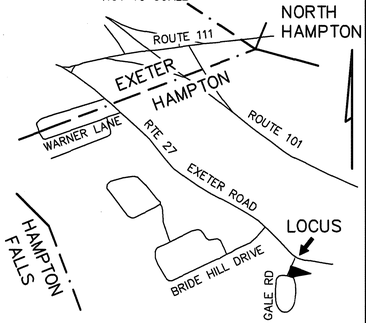
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 447 SCITUATE–NEWFIELDS

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = PREVIOUS DESIGN

#1 SET NAIL 16" OAK EL 112.67

#2 SET NAIL STUMP EL 112.53

#3 SET PK NAIL IN PAVEMENT EL 113.02

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 113.0
2. THERE IS/ARE APPROX 24"± FT ABOVE ORIGINAL (EL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. 111±) (EQUALS 36" BELOW EXIS GRADE HIGH SIDE– EL 16±)

SUITABLE REPLACEMENT AREA:

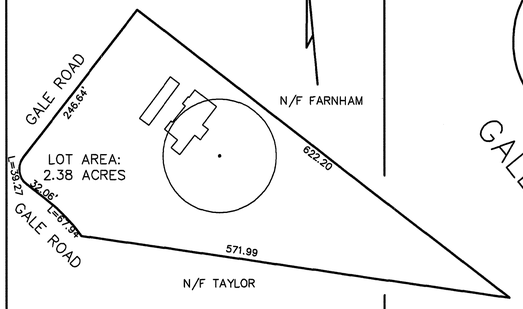
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 — EXISTING CONTOUR
- (50) — PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

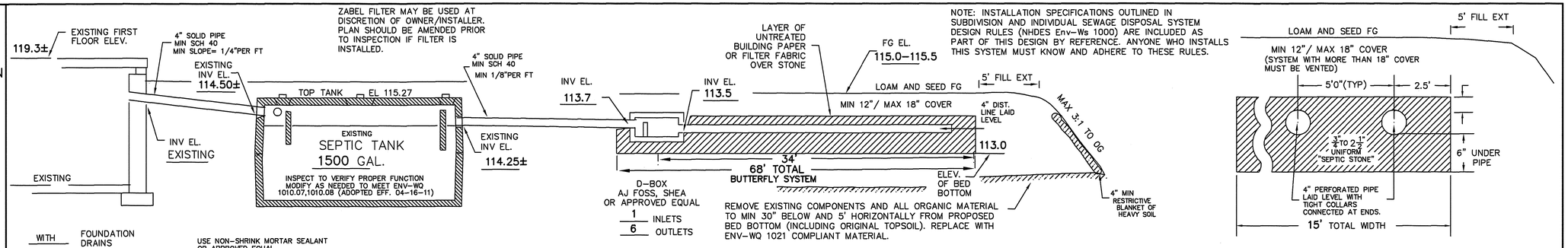
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D25489
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: SA1997000115
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. a) NO SURFACE WATER WITHIN 75'
   b) NO WELLS WITHIN 75'
   c) NO HYDRIC B SOILS WITHIN 75'
   d) NO HYDRIC A SOILS WITHIN 75'
   OF PROPOSED SYSTEM
5. A SEPARATE PERMIT IS REQUIRED FROM THE TOWN OF HAMPTON FOR THIS INSTALLATION.



PLOT PLAN

1"=APPROX 100'

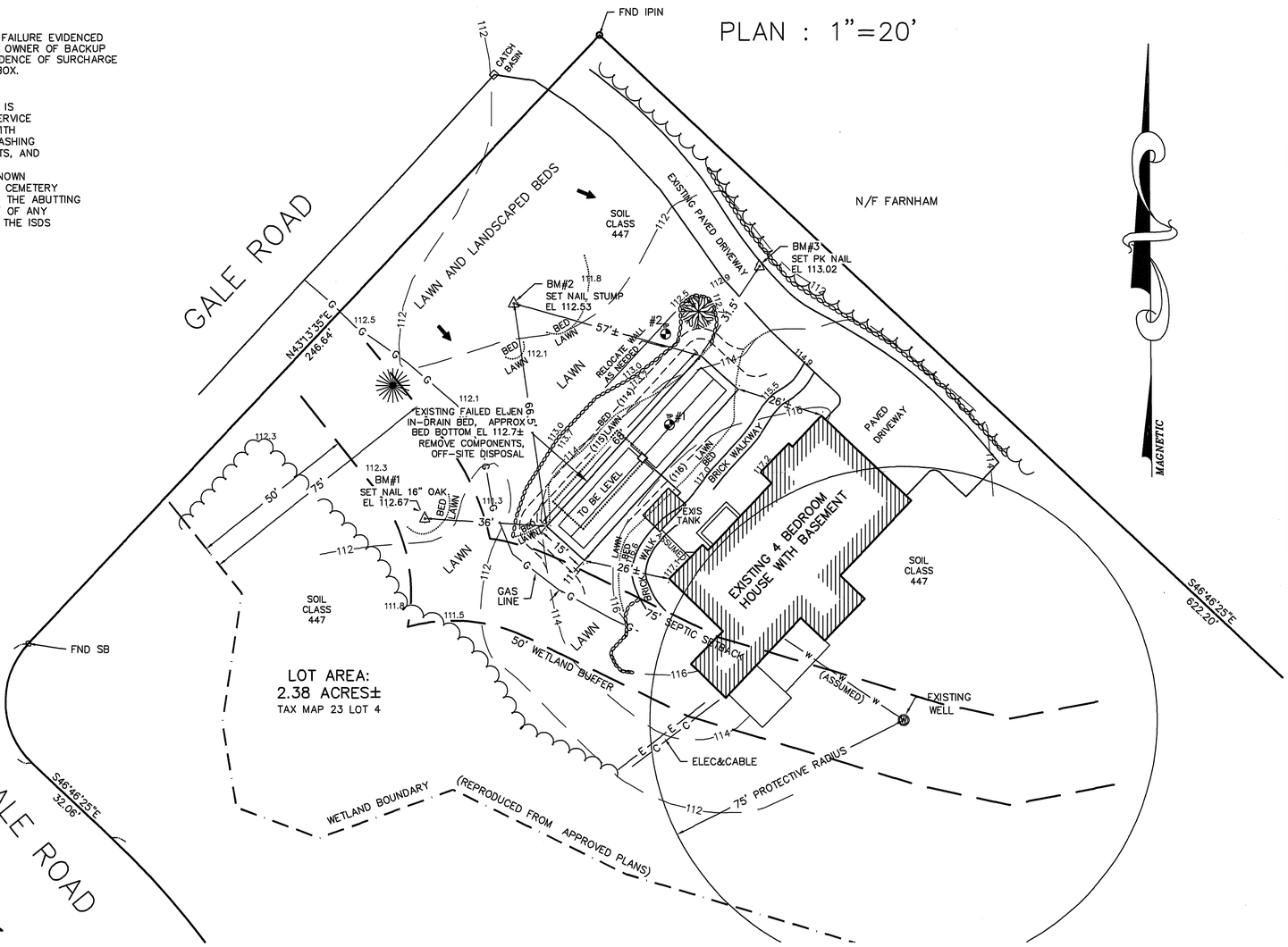


CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

EXISTING SYSTEM FAILURE EVIDENCED BY REPORT FROM OWNER OF BACKUP IN HOME AND EVIDENCE OF SURCHARGE IN DISTRIBUTION BOX.

PROPOSED ISDS IS DESIGNED TO SERVICE 1 STRUCTURE WITH DISHWASHER, WASHING MACHINE, TOILETS, AND TUB/SHOWERS. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL.

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: SEPTEMBER 17, 2012

TOWN INSPECTOR: N/A NOT REQUIRED

TEST PIT #1 EL 115.3±

FILL	0 –6"	10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE
FILL	6–30"	10YR3/6 GRAVELLY LOAMY SAND, GRAN. FRIABLE
FILL	30–54"	2.5Y5/4 FINE SANDY LOAM, BLOCKY, SLIGHTLY FIRM
	54–56"	ORIGINAL TOPSOIL
	56–72"	10YR3/4 SANDY LOAM, MANY OLD ROOTS

ORIGINAL SHWT @ 6'+, NO OBSERVED WATER
NO REFUSAL

TEST PIT #2 EL 112.5±

0 –6"	10YR4/6 FINE SANDY LOAM (LANDSCAPED LAWN)
6–12"	CLAY LAYER (UNDERLYING LAWN)
12–13"	COMPACTED ORIGINAL TOPSOIL
13–42"	10YR4/4–4/6 GRAVELLY FINE SANDY LOAM WITH OLD ROOTS, GRANULAR FRIABLE
42–66"	2.5Y5/4 FINE SANDY LOAM, BLOCKY, SOMEWHAT FIRM, MOTTLED

ESHWT @ 42", NO OBSERVED WATER, NO REFUSAL

PT PERC TEST DATA

SOURCE: PREVIOUS APPROVAL CA1997003940

PERC RATE: 8 MIN/IN

DESIGN LOADING: EXISTING 4 BEDROOM HOUSE

AREA REQUIRED: 1000 SQ FT REQUIRED

AREA PROPOSED: 15' X 68' = 1020 SQ FT PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM
PREVIOUS APPROVAL #CA1997003940

LOCUS: 5 GALE ROAD
HAMPTON, NH
TAX MAP 23 LOT 4

OWNER: ALEXANDER & MOIRA McKINNON
5 GALE ROAD
HAMPTON, NH 03842

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Anne W. Blalobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: SEPTEMBER 26, 2012

APPROVAL: CA2012110593
10/05/2012

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